MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT

Air Quality Division

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GUIDANCE DOCUMENT FOR GENERAL PERMIT TO OPERATE AND/OR CONSTRUCT

(As required by Title 49, Chapter 3, Article 2, Section 49-480, Arizona Revised Statutes)

for

DRY CLEANING FACILITIES

This document is intended to provide guidance to MCESD personnel as well as applicants who are responsible for the filing and review of the APPLICATION FOR AUTHORITY TO OPERATE AND/OR CONSTRUCT A DRY CLEANING OPERATION UNDER THE GENERAL PERMIT.

SECTION A. DRY CLEANING OPERATIONS

1. Please indicate the type of dry cleaning facility that you are applying for and then complete the appropriate sections. A Low Volume Perchloroethylene Dry Cleaner uses less than 140 gallons of perchloroethylene per year. A High Volume Dry Cleaner uses more than 140 gallons of perchloroethylene per year, but less than 2,100 gallons of perchloroethylene per year. Petroleum Solvent Dry Cleaners are classified the total manufacturer's rated dryer capacity. (Please check all that apply.)

This question simply asks the applicant to identify what type of facility that they operate. As they complete this section, they will be prompted to proceed to a specific set of questions that specifically pertain to the operation of that facility.

The following questions only apply to Low Volume Perchloroethylene Dry Cleaners:

2. Will you purchase less than 140 gallons of perchloroethylene each year for consumption at this facility?

This question asks how much perchloroethylene the applicant intends to use over the course of a 12-month period in order to make certain that the applicant is operating a "Low Volume Perchloroethylene Dry Cleaner". A "Yes" response indicates that the facility is a Low Volume Perchloroethylene Dry Cleaner, and a "No" response indicates that the facility is either a High Volume Perchloroethylene Dry Cleaner, or a Petroleum Solvent Dry Cleaner.

[Section 5, Condition A]

3. Will you close the door of each dry cleaning machine immediately after transferring articles to or from the machine, and will you keep the door closed at all other times?

This is a material permit condition for all Low Volume Perchloroethylene Dry Cleaning facilities. A "Yes" response means that the applicant is willing to comply with this condition. A "No" response means that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 5, Condition B.1)]

4. Will you operate and maintain each dry-cleaning system according the manufacturer's specifications and recommendations?

This is a material permit condition for all Low Volume Perchloroethylene Dry Cleaning facilities. A "Yes" response means that the applicant is willing to comply with this condition. A "No" response means that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 5, Condition B.2)]

5. Will you drain all cartridge filters in their housing, or other sealed container, for a minimum of 24 hours before removing them from the dry cleaning facility?

This is a material permit condition for all Low Volume Perchloroethylene Dry Cleaning facilities. A "Yes" response means that the applicant is willing to comply with this condition. A "No" response means that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 5, Condition B.3)]

6. Will you store all perchloroethylene and wastes that contain perchloroethylene in solvent tanks or solvent containers with no perceptible leaks?

This is a material permit condition for all Low Volume Perchloroethylene Dry Cleaning facilities. A "Yes" response means that the applicant is willing to comply with this condition. A "No" response means that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 5, Condition B.4)]

7. Will you repair all perceptible leaks detected within 24 hours? If repairs must be made, will you submit written or verbal order for the necessary replacement parts within 2 working days? Will you install all replacement parts within 5 working days of receipt of these parts?

This is a material permit condition for all Low Volume Perchloroethylene Dry Cleaning facilities. A "Yes" response means that the applicant is willing to comply with this condition. A "No" response means that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 5, Condition B.5)]

8. Will you inspect the following equipment for perceptible leaks every 14 days?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to comply with the conditions of the permit, and a "No" response indicates that the applicant is not willing to comply with the conditions of the permit. A "N/A" response indicates that the facility does not have the specified equipment included with the permit application. The applicant must enter a "Yes" response to each of the sub-questions for which the facility does have equipment in order to qualify for coverage under this General Permit.

[Section 5, Condition C.1)]

9. Will you calculate the yearly perchloroethylene consumption by summing the volume of all perchloroethylene purchases made in each of the previous twelve (12) months?

This is another periodic monitoring condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to comply with the conditions of the permit, and a "No" response indicates that the applicant is not willing to comply with the conditions of the permit. In order to obtain coverage under the Dry Cleaning General Permit, the applicant must enter a "Yes" response to this question.

[Section 5, Condition C.2)]

10. Will you maintain records of the receipts of the perchloroethylene purchases as well as logs of the following information, on site and available upon request for at least 5 years?

This is a Record Keeping requirement condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to perform the record keeping necessary to obtain coverage under this General Permit. A "No" response to any one of the 4 sub-questions indicates that the applicant is not willing to perform all of the Record Keeping required by the MACT and the permit. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to each of the sub-questions.

[Section 5, Condition D.1)]

11. Will you retain, onsite, a copy of the design specification and the operating manuals for each dry cleaning system and each emission control device located at the facility?

This is a Record Keeping requirement condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to comply with the conditions of the permit, and a "No" response indicates that the applicant is not willing to comply with the conditions of the permit. In order to obtain coverage under the Dry Cleaning General Permit, the applicant must enter a "Yes" response to this question.

[Section 5, Condition D.2)]

12. If your total yearly perchloroethylene consumption shows that you have exceeded the 140 gallon limitation imposed upon Low Volume Dry Cleaners, will you comply with the conditions governing the operation of High Volume Dry Cleaners within 180 days from the date that you determine that your facility has exceeded the limitation? And if you exceed this limitation, you will send written notification of the change in operating scenarios to the Control Officer within 180 days from the date that you determined that your facility had exceeded the perchloroethylene consumption limitation?

This condition is a specific Reporting Condition that is triggered by the growth that a facility experiences when trying to meet the demands of a number of customers. Because the Dry Cleaning General Permit was written in

an effort to be all inclusive, this Reporting Condition was added so that the Permittee would not need to re-obtain coverage under the General Permit should the facility use more than 140 gallons of perchloroethylene over a 12 month rolling total. A "Yes" response indicates that the applicant will submit the report, and a "No" response indicates that the applicant will not submit such a report. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. [Section 5, Condition F]

The following questions apply to High Volume Perchloroethylene Dry Cleaners:

13. What was the date upon which you commenced (or plan to commence) construction or reconstruction of your dry cleaning facility?

This question was included in order to establish whether or not the facility is to be considered an existing facility, or a new facility. Existing Machinery is defined as "Each perchloroethylene dry cleaning facility that commenced construction or reconstruction before December 9, 1991". New Machinery is defined as "Each perchloroethylene facility that commences construction or reconstruction on or after December 9, 1991, except for dry cleaning systems complying with Section 112(I)(2) of the Clean Air Act.

14. Will you consume less than 2,100 gallons of perchloroethylene each year at your facility?

This is a material Operational Limitation for all dry cleaning facilities that desire to avoid the Title V permitting program. In order to qualify for coverage under this General Permit, the applicant must **enter a "Yes" response to this question**. [Section 6, Condition B.1)]

15. If your facility is comprised of existing machinery (machinery installed before December 9, 1991), will you either:

This is a material Operational Limitation for all dry cleaning facilities made up of existing machinery. A "Yes" response indicates that the applicant is willing to comply with one of the conditions of the question. A "No" response indicates that the applicant is not willing to comply with one of the conditions of the question. A "N/A" response indicates that the applicant's facility is comprised of new machinery. If the applicant's response to question 13 indicates that the applicant is operating existing machinery, a "Yes" response is required in order for the applicant to qualify for coverage under this General Permit. [Section 6, Condition B.2)]

16. If your facility is comprised of new machinery (machinery installed on or after December 9, 1991) and its ancillary equipment, will you route the air-perchloroethylene gas-vapor stream contained within each dry cleaning machine through a refrigerated condenser?

This is a material Operational Limitation for all dry cleaning facilities made up of new machinery. A "Yes" response indicates that the applicant is willing to comply with this condition. A "No" response indicates that the applicant is not willing to comply with this condition. A "N/A" response indicates that the applicant's facility is comprised of existing machinery. If the applicant's response to question 13 indicates that the applicant is operating new machinery, a "Yes" response is required in order for the applicant to qualify for coverage under this General Permit.

[Section 6, Condition B.3)]

17. Will you close the door of each dry cleaning machine immediately after transferring articles to or from the machine, and will you keep the door closed at all other times?

This is a material permit condition that applies to both existing and new machinery. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 6, Condition B.4)]

18. Will you operate and maintain each dry-cleaning system according to the manufacturer's specifications and recommendations?

This is a material permit condition that applies to both existing and new machinery. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 6, Condition B.5)]

19. If you route the air-perchloroethylene gas-vapor stream to a refrigerated condenser, will you:

This is a material permit condition that applies to both existing and new machinery. A "Yes" response indicates that the applicant is operating a refrigerated condenser in order to control emissions and that the applicant is willing to comply with the condition. A "No" response indicates that the applicant is operating a refrigerated condenser, but is not willing to comply with the condition. A "N/A" response indicates that the applicant is operating a carbon adsorber on existing machinery, and that this condition is not applicable to his operations.

[Section 6, Condition B.6)]

20. If you route the air-perchloroethylene gas-vapor stream to a carbon adsorber, will you agree to:

This is a material permit condition that applies only to existing machinery that are operating carbon adsorbers on their equipment. A "Yes" response indicates that the applicant is operating a carbon adsorber in order to control emissions and that the applicant is willing to comply with the condition. A "No" response indicates that the applicant is operating a carbon adsorber, but is not willing to comply with the condition. A "N/A" response indicates that the applicant is operating a refrigerated condenser, and that this condition is not applicable to his operations.

[Section 6, Condition B.7)]

NOTE: Applicants that are operating existing machinery must answer "Yes" to either question 19 or question 20.

21. Will you drain all cartridge filters in their housing, or other sealed container, for a minimum of 24 hours before removing them from the dry cleaning facility?

This is a material permit condition that applies to both existing and new machinery. A "Yes" response indicates that the applicant is willing to comply with the condition, and a "No" response indicates that the applicant is not willing to comply with the condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 6, Condition B.8)]

22. Will you store all perchloroethylene and wastes that contain perchloroethylene in solvent tanks or solvent containers with no perceptible leaks?

This is a material permit condition that applies to both existing and new machinery. A "Yes" response indicates that the applicant is willing to comply with the condition, and a "No" response indicates that the applicant is not willing to comply with the condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 6, Condition B.9)]

23. Will you repair all perceptible leaks within 24 hours of detection? If repairs must be made, will you submit a written or verbal order for the necessary replacement parts within 2 working days? Will you install all replacement parts within 5 working days of receipt of these parts?

This is a material permit condition that applies to both existing and new machinery. A "Yes" response indicates that the applicant is willing to comply with the condition, and a "No" response indicates that the applicant is not willing to comply with the condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 6, Condition B.10]

24. Will you make adjustments or repairs to the dry cleaning system or the control device in order to maintain the operating parameters for the control device in accordance with the permit requirements? If repairs must be made, will you submit a written or verbal order for the necessary replacement parts within 2 working days? Will you install all replacement parts within 5 working days of receipt of these parts?

This is a material permit condition that applies to both existing and new machinery. A "Yes" response indicates that the applicant is willing to comply with the condition, and a "No" response indicates that the applicant is not willing to comply with the condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 6, Condition B.11]

25. Will you inspect the following equipment for perceptible leaks every week?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to comply with the conditions of the permit, and a "No" response indicates that the applicant is not willing to comply with the conditions of the permit. A "N/A" response indicates that the facility does not have the specified equipment included with the permit application. The applicant must enter a "Yes" response to each of the sub-questions for which the facility does have equipment in order to qualify for coverage under this General Permit.

[Section 6, Condition C.1)]

- 26. If you route the air-perchloroethylene gas-vapor stream to a refrigerated condenser, will you:
 - a) Measure the temperature of the air-perchloroethylene gas-vapor stream on the outlet side of the refrigerated condenser on a dry-to dry machine, dryer, or reclaimer weekly with a temperature sensor to determine if it is equal to or less than 7.2 degrees Celsius (45 degreed Fahrenheit)?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities that applies only if the applicant responded "Yes" to question number 19. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. A "N/A" response indicates that the applicant did not answer "Yes" to question number 19, and is operating a carbon adsorber on existing equipment. [Section 6, Condition C.2)]

b) And will you use a temperature sensor according to the manufacturer's instructions?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities that applies only if the applicant responded "Yes" to question number 19. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. A "N/A" response indicates that the applicant did not answer "Yes" to question number 19, and is operating a carbon adsorber on existing equipment. [Section 6, Condition C.2)]

c) And will you ensure that the temperature sensor is designed to measure a temperature of 7.2 degrees Celsius (45 degrees Fahrenheit) to an accuracy of +/- 1.1 degrees Celsius (+/- 2 degrees Fahrenheit)?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities that applies only if the applicant responded "Yes" to question number 19. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. A "N/A" response indicates that the applicant did not answer "Yes" to question number 19, and is operating a carbon adsorber on existing equipment. [Section 6, Condition C.2)]

NOTE: In order to qualify for coverage under this General Permit, the applicant must enter either a "Yes" or "N/A" response to all three parts of this question.

- 27. If you route the air-perchloroethylene gas-vapor stream to a carbon adsorber, will you:
 - a) Measure the concentration of perchloroethylene in the exhaust of the carbon adsorber using a colorimetric detector tube while the dry cleaning machinery is venting to the carbon adsorber at the end of the last dry cleaning cycle prior to desorption of the carbon adsorber in order to determine that the perchloroethylene concentration in the exhaust is equal to or less than 100 parts per million by volume on a weekly basis?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities that applies only if the applicant responded "Yes" to question number 20. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. A "N/A" response indicates that the applicant did not answer "Yes" to question number 20, and is operating a refrigerated condenser on the dry cleaning equipment. [Section 6, Condition C.3)a)]

b) And use a colorimetric detector tube that is designed to measure a concentration of 100 parts per million by volume of perchloroethylene in air to an accuracy of +/- 25 parts per million by volume?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities that applies only if the applicant responded "Yes" to question number 20. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. A "N/A" response indicates that the applicant did not answer "Yes" to question number 20, and is operating a refrigerated condenser on the dry cleaning equipment. [Section 6, Condition C.3)b)]

c) And use the colorimetric detector tube according to manufacturer's instructions?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities that applies only if the applicant responded "Yes" to question number 20. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. A "N/A" response indicates that the applicant did not answer "Yes" to question number 20, and is operating a refrigerated condenser on the dry cleaning equipment. [Section 6, Condition C.3)c)]

d) And provide a sampling port for monitoring within the exhaust outlet of the carbon adsorber that is easily accessible and located at least 8 stack or duct diameters downstream from any flow disturbance such as a bend, expansion, contraction, or outlet; downstream from no other inlet; and 2 stack or duct diameters upstream from any flow disturbance such as a bend, expansion, contraction, inlet or outlet?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities that applies only if the applicant responded "Yes" to question number 20. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. A "N/A" response indicates that the applicant did not answer "Yes" to question number 20, and is operating a refrigerated condenser on the dry cleaning equipment. [Section 6, Condition C.3)d)]

NOTE: In order to qualify for coverage under this General Permit, the applicant must enter either a "Yes" or "N/A" response to all four parts of this question.

28. Will you calculate the yearly perchloroethylene consumption by summing the volume of all perchloroethylene purchases made in each of the previous twelve (12) months?

This is a periodic monitoring condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 6, Condition C.4)]

29. Will you keep receipts of perchloroethylene purchases and a log of the following information and maintain such information on site and show it upon request for a period of five years?

This is a record keeping condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to keep the required records, and a "No" response indicates that the applicant is not willing to keep the required records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 6, Condition D.1)]

- a) Will you record the volume of perchloroethylene purchased each month by the dry cleaning facility as recorded from perchloroethylene purchases, recording zero gallons in the log for each month that no perchloroethylene was purchased?
 - This is a record keeping condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to keep the required records, and a "No" response indicates that the applicant is not willing to keep the required records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

 [Section 6, Condition D.1)a)]
- b) Will you record the calculation and result of the yearly perchloroethylene consumption determined on the first day of each month?
 - This is a record keeping condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to keep the required records, and a "No" response indicates that the applicant is not willing to keep the required records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

 [Section 6, Condition D.1)b)]
- c) Will you record the dates when the dry cleaning system components are inspected for perceptible leaks, as well as the name or location of dry cleaning components where perceptible leaks are detected?
 - This is a record keeping condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to keep the required records, and a "No" response indicates that the applicant is not willing to keep the required records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

 [Section 6, Condition D.1)c)]
- d) Will you record the dates of repair and records of written or verbal orders for repair parts?
 - This is a record keeping condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to keep the required records, and a "No" response indicates that the applicant is not willing to keep the required records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

 [Section 6, Condition D.1)d)]
- e) Will you record the date and temperature sensor monitoring results if a refrigerated condenser is used to comply with the 2,100 gallon consumption limitation?
 - This is a record keeping condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to keep the required records, and a "No" response indicates that the applicant is not willing to keep the required records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. [Section 6, Condition D.1)e)]
- f) Will you record the date and colorimetric detector tube monitoring results if a carbon adsorber is used to comply with the 2,100 gallon consumption limitation?
 - This is a record keeping condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to keep the required records, and a "No" response indicates that the applicant is not willing to keep the required records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

 [Section 6, Condition D.1)f)]
- 30. Will you retain a copy of the design specifications and the operating manuals for each dry cleaning system and each emission control device located at the dry cleaning facility, on-site and available for review?
 - This is a record keeping condition of the MACT for Dry Cleaning Facilities. A "Yes" response indicates that the applicant is willing to keep a copy of the design specifications and operating manuals for its dry cleaning systems and emission control devices on record and available for review. A "No" response indicates that the applicant is

not willing to keep the required records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. [Section 6, Condition D.2)

The following questions apply to Petroleum Solvent Dry Cleaners:

31. Is the total manufacturer's rated dry capacity less than 84 pounds?

This question is used to determine the applicability of Section 7 of the General Permit to the applicant. A "Yes" response means that Section 7 of the General Permit applies to the applicant, whereas a "No" response indicates that Section 7 may not apply to the applicant, depending upon their response to question 32.

32. If the total manufacturer's rated dryer capacity is greater than 84 pounds, when was the petroleum dry cleaner installed?

This question is used to determine whether or not those facilities with a total manufacturer's rated dryer capacity can be covered under Section 7 of this General Permit. If the petroleum dry cleaning facility commenced construction before December 14, 1982, the dry cleaning facility can be covered under Section 7 of the General Permit. Similarly, if the petroleum dry cleaning facility was constructed between December 14, 1982, and September 21, 1984, the applicant may operate under Section 7 of the General Permit if they agree to use less than 4,700 gallons of petroleum solvents per year. A "N/A" response indicates that the total manufacturer's rated dryer capacity is less than 84 pounds.

33. If the total manufacturer's rated dryer capacity is greater than 84 pounds, and the date listed above is between December 14, 1982, and September 21, 1984, is your petroleum solvent usage less than 4,700 gallons per year?

As per the discussion of question 32, this question is used to determine whether or not those facilities with a total manufacturer's rated dryer capacity can be covered under Section 7 of this General Permit. A "Yes" response indicates that the applicant may operate under Section 7 of this General Permit. A "No" response indicates that the applicant may not operate under Section 7 of this General Permit, and should seek to operate under Section 8 of this General Permit or obtain an Individual Permit. A "N/A" response indicates that the total manufacturer's rated dryer capacity is less than 84 pounds.

34. Will your total yearly petroleum solvent consumption be less than 6,800 gallons per year?

This question is a material permit condition limiting each facility to less than 6,800 gallons of petroleum solvents per year. Any usage of more than 6,800 gallons of petroleum solvents per year would trigger BACT requirements (25 tons per year of VOC) for new dry cleaning facilities, and BACT determinations have been deemed too case-by-case to be included in a General Permit. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. A "No" response means that the applicant must submit an application for an Individual permit. [Section 7, Condition C.1)]

35. Will you consume less than 615 gallons of petroleum solvents per month?

This question is a material permit condition limiting each facility to less than 615 gallons of petroleum solvents per month. Any usage of more than 615 gallons per month would trigger BACT requirements for new dry cleaning facilities. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. A "No" response means that the applicant must submit an application for an Individual permit.

[Section 7, Condition C.2.]

36. Will you repair any dry cleaning equipment with perceptible leaks from any portion of the equipment?

This is an operational limitation placed on the source through County Rule 333. A "Yes" response indicates that the applicant is willing to comply with the conditions of this General Permit. A "No" response indicates that the applicant is not willing to comply with the conditions of this General Permit. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. [Section 7, Condition C.3)]

37. Will you store all solvents in closed containers?

This is an operational limitation placed on the source through County Rule 333. A "Yes" response indicates that the applicant is willing to comply with the conditions of this General Permit. A "No" response indicates that the applicant is not willing to comply with the conditions of this General Permit. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. [Section 7, Condition C.4)]

38. Will you keep all washer and dryer traps, access doors, and any other parts of equipment where solvent may be exposed to the atmosphere, closed at all times except when required for proper operation or maintenance?

This is an operational limitation placed on the source through County Rule 333. A "Yes" response indicates that the applicant is willing to comply with the conditions of this General Permit. A "No" response indicates that the applicant is not willing to comply with the conditions of this General Permit. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. [Section 7, Condition C.5)]

- 39. If you install a petroleum filtration system, will you comply with at least one of the following requirements?
 - a) Reduce the volatile organic compound in all filtration wastes to 2.2 pounds or less per 220 pounds of dry weight of articles cleaned, before disposal, and exposure to the atmosphere?

This is an operational limitation placed on the source through County Rule 333. A "Yes" response indicates that the applicant is willing to comply with the conditions of this General Permit. A "No" response indicates that the applicant is not willing to comply with the conditions of this General Permit.

[Section 7, Condition C.6)a)]

b) Install and operate a cartridge filtration system and drain the filter cartridges in their sealed housings for eight hours or more before their removal?

This is an operational limitation placed on the source through County Rule 333. A "Yes" response indicates that the applicant is willing to comply with the conditions of this General Permit. A "No" response indicates that the applicant is not willing to comply with the conditions of this General Permit.

[Section 7, Condition C.6)b)]

c) Place all discarded filtration material, including cartridges and particulate filter media, immediately in sealed containers and dispose of according to hazardous waste standards?

This is an operational limitation placed on the source through County Rule 333. A "Yes" response indicates that the applicant is willing to comply with the conditions of this General Permit. A "No" response indicates that the applicant is not willing to comply with the conditions of this General Permit.

[Section 7, Condition C.6)c)]

NOTE: In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to one of these question.

40. If the dry cleaning facility was installed after July 13, 1988, will you maintain and install a solvent recovery that recovers at least eighty-five (85) percent of the petroleum solvent by waste? And will you terminate the recovery cycle for the dryer only when the petroleum solvent flow rate from the water separator is less than 15 milliliters per minute or less?

Parts of this condition contain material permit conditions regarding the installation and operation of a solvent recovery system. A "Yes" response indicates that the applicant installed the petroleum dry cleaning facility after July 13, 1988, and has installed a solvent recovery dryer that is able to comply with the conditions of this General Permit. A "No" response indicates that the applicant installed the petroleum dry cleaning facility after July 13, 1988, and has not installed a solvent recovery dryer that is able to comply with this condition, or has installed the

solvent recovery dryer, but refuses to comply with this condition. A "N/A" response indicates that the applicant installed the petroleum dry cleaning facility before July 13, 1988, and is exempt from this permit condition. In order to obtain coverage under this General Permit, the applicant must enter a "Yes" or a "N/A" response to this question.

41. Will you calculate the yearly petroleum solvent consumption by summing the volume of all petroleum solvents purchased in each of the previous twelve (12) months?

This is a periodic monitoring and record keeping requirement used to verify compliance with the 6,800 gallons of petroleum solvent limitation in question 34. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 7, Condition D.1)]

42. Will you keep receipts of petroleum solvent purchases and a log of the following information and maintain such information on site and show it upon request for a period of five years?

This is a record keeping condition used to help verify that the applicant will remain in compliance with the 615 gallon per month and 6,800 gallon per year limitation placed on the use of petroleum solvents. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition.

a) Will you record the volume of petroleum solvents purchased each month by the dry cleaning facility as recorded from petroleum solvent purchases, recording zero gallons in the log for each month that no petroleum solvents were purchased?

This is a record keeping condition used to help verify that the applicant will remain in compliance with the 615 gallon per month and 6,800 gallon per year limitation placed on the use of petroleum solvents. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. [Section 7, Condition D.2)a)]

b) Will you record the calculation and result of the yearly petroleum solvent consumption determined on the first day of each month?

This is a record keeping condition used to help verify that the applicant will remain in compliance with the 615 gallon per month and 6,800 gallon per year limitation placed on the use of petroleum solvents. A "Yes" response indicates that the applicant is willing to comply with this condition, and a "No" response indicates that the applicant is not willing to comply with this condition. [Section 7, Condition D.2)b)]

NOTE: In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to all three questions.

43. Will you maintain a file for all Material Safety Data Sheet(s) (MSDS(s)) for all solvents and any other VOC containing materials?

This is a periodic monitoring and record keeping condition that is required by County Rule 333. A "Yes" response indicates that the applicant is willing to comply with this condition, whereas a "No" response indicates that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 7, Condition D.3)]

44. Will you maintain monthly records of the weight of clothing cleaned, the amount of each solvent used, and the weight and type of any material disposed of which contains any quantity of cleaning solvent? Will you also record the name of the company that receives such waste material?

This is a periodic monitoring and record keeping condition that is required by County Rule 333. A "Yes" response indicates that the applicant is willing to comply with this condition, whereas a "No" response indicates that the applicant is not willing to comply with this condition. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. [Section 7, Condition D.4)]

45. If you choose to comply with Question 39.a), will you record the following calculation, as well as its results, on a monthly basis?

This is a periodic monitoring and record keeping condition that is used to verify compliance with question 39.a). A "Yes" response indicates that the applicant is complying with question 39.a) and is willing to conduct this calculation. A "No" response indicates that the applicant is attempting to comply with question 39.a) but is not willing to conduct this calculation. A "N/A" response indicates that the applicant chose not to comply with question 39.a).

[Section 7, Condition D.5)]

46. If you choose to comply with Question 39.b), will you record the date that the filter is removed, as well as the time that the filter begins draining, and the time that the draining is complete?

This is a periodic monitoring and record keeping condition that is used to verify compliance with question 39.b). A "Yes" response indicates that the applicant is complying with question 39.b) and is willing to conduct this calculation. A "No" response indicates that the applicant is attempting to comply with question 39.b) but is not willing to conduct this calculation. A "N/A" response indicates that the applicant chose not to comply with question 39.b).

[Section 7, Condition D.6)]

47. If you choose to comply with Question 39.c), will you record the date and method of disposal of all filtration media?

This is a periodic monitoring and record keeping condition that is used to verify compliance with question 39.c). A "Yes" response indicates that the applicant is complying with question 39.c) and is willing to conduct this calculation. A "No" response indicates that the applicant is attempting to comply with question 39.c) but is not willing to conduct this calculation. A "N/A" response indicates that the applicant chose not to comply with question 39.c).

[Section 7, Condition D.7)]

NOTE: In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to question 45, 46 or 47.

48. If you operate a petroleum solvent dry cleaning facility that was installed after July 13, 1988, will you record the date, time and flow rate of petroleum solvent from the water separator when the recovery cycle is terminated.

This is a record keeping condition that is used to verify compliance with question 40. A "Yes" response indicates that the applicant installed the petroleum dry cleaning facility after July 13, 1988, and is willing to comply with the requirements of this condition. A "No" response indicates that the applicant installed the petroleum dry cleaning facility after July 13, 1988, but is not willing to comply with the requirements of this condition. A "N/A" response indicates that the applicant installed the petroleum dry cleaning facility before July 13, 1988, and that question 40 is not applicable to his facility. In order to qualify for coverage under this General Permit, the applicant must enter either a "Yes" or "N/A" response to this question. [Section 7, Condition D.8)]

49 If your petroleum solvent dry cleaning facility was installed between December 14, 1982, and September 21, 1984, and you chose to limit the total yearly petroleum solvent consumption to less than 4,700 gallons per year, and your records show that you exceeded this limitation, will you immediately comply with the New Source Performance Standards for Petroleum Solvent Dry Cleaners? And if you exceed this limitation, will you send written notification of the change in operating scenarios to the Control Officer within 180 days from the date that you determined that your facility had exceeded the petroleum solvent consumption limitation.

This condition is a specific Reporting Condition that is triggered by the growth that a facility experiences when trying to meet the demands of a number of customers. Because the Dry Cleaning General Permit was written in

an effort to be all inclusive, this Reporting Condition was added so that the Permittee would not need to re-obtain coverage under the General Permit should the facility increase its total manufacturer's rated dry capacity above 84 pounds, or increase solvent consumption above the 4,700 gallon limitation. A "Yes" response indicates that the applicant will submit the report, and a "No" response indicates that the applicant will not submit such a report. A "N/A" response indicates that the facility was not installed between December 14, 1982, and September 21, 1984. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

The following questions apply to Petroleum Solvent Dry Cleaners that commenced construction or modification after December 14, 1982, and that have a total manufacturer's rated dryer capacity that is equal to or greater than 84 pounds:

50. Is the total manufacturer's rated dryer capacity equal to or greater than 84 pounds?

This question is used to help establish the applicability of Section 8 to the applicant. A "Yes" response indicates that the applicant does have a total manufacturer's rated dryer capacity that is equal to or greater than 84 pounds. A "No" response indicates that Section 8 of this General Permit is not applicable to the applicant, and that the applicant should return to question 31.

51. If your facility was installed between December 14, 1982, and September 21, 1984, will you use less than 4,700 gallons of petroleum solvents per year?

This question is used to help establish the applicability of Section 8 to the applicant. A "Yes" response indicates that the applicant installed the petroleum dry cleaning facility in-between the listed dates, and that the applicant does consume less than 4,700 gallons of petroleum solvent each year, and that Section 8 of this General Permit is not applicable to the applicant, and that the applicant should return to question 31. A "No" response indicates that Section 8 of this General Permit is applicable, and the applicant should continue to answer questions in Section 8. A "N/A" response indicates that the facility was not installed between December 14, 1982, and September 21, 1984.

52. Will you consume less than 6,800 gallons of petroleum solvents per year?

This question is a material permit condition limiting each facility to less than 6,800 gallons of petroleum solvents per year. Any usage of more than 6,800 gallons of petroleum solvents per year would trigger BACT requirements (25 tons per year of VOC) for new dry cleaning facilities, and BACT determinations have been deemed too case-by-case to be included in a General Permit. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. A "No" response means that the applicant must submit an application for an Individual permit. [Section 8, Condition C.1)]

53. Will you consume less than 615 gallons of petroleum solvents per month?

This question is a material permit condition limiting each facility to less than 615 gallons of petroleum solvents per month. Any usage of more than 615 gallons per month would trigger BACT requirements for new dry cleaning facilities. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question. A "No" response means that the applicant must submit an application for an Individual permit.

[Section 8, Condition C.2)]

54. Will you only install solvent recovery dryers when installing a dryer at the petroleum solvent dry cleaning facility?

This question is a requirement of the National Safety Performance Standards (NSPS) for petroleum solvent dry cleaning facilities. A "Yes" response indicates that the applicant will only install solvent recovery dryers, and a "No" response indicates that the applicant will not only install solvent recovery dryers. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 8, Condition C.3)]

55. Will you properly install, operate and maintain all solvent recovery dryer(s) at the petroleum dry cleaning facility?

This question is a requirement of the National Safety Performance Standards (NSPS) for petroleum solvent dry cleaning facilities. A "Yes" response indicates that the applicant will properly install, operate and maintain solvent recovery dryers, and a "No" response indicates that the applicant will not properly install, operate and maintain solvent recovery dryers. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 8, Condition C.3)]

56. Will you only install cartridge filters when installing filters at the petroleum dry cleaning facility?

This question is a requirement of the National Safety Performance Standards (NSPS) for petroleum solvent dry cleaning facilities. A "Yes" response indicates that the applicant will only install cartridge filters at the petroleum dry cleaning facility, and a "No" response indicates that the applicant will not only install cartridge filters. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 8, Condition C.4)]

57. Will each cartridge filter be drained in its sealed housing for at least eight hours prior to its removal?

This question is a requirement of the National Safety Performance Standards (NSPS) for petroleum solvent dry cleaning facilities. A "Yes" response indicates that the applicant will drain all cartridge filters in its sealed housing for at least eight hours prior to its removal, and a "No" response indicates that the applicant will not be drained in such a manner. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 8, Condition D.1)]

58. Will you maintain records of the initial test to verify the flow rate of recovered solvent from each solvent recovery dryer?

This question is a requirement of the NSPS for petroleum solvent dry cleaning facilities. A "Yes" response to this question indicates that the applicant will maintain records of the initial test to verify the flow rate of recovered solvent from each solvent recovery dryer, and a "No" response indicates that the applicant will not maintain such records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question.

[Section 8, Condition D.2)]

59. Will you calculate the yearly petroleum solvents consumption by summing the volume of all petroleum solvents purchased in each of the previous twelve months (marking zero for those months in which no petroleum solvent was purchased)?

This question is used to verify compliance with the 6,800 gallons of petroleum solvents per year limitation. A "Yes" response to this question indicates that the applicant will perform the required calculation, and a "No" response indicates that the applicant will not conduct the required calculation. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" in response to this question.

[Section 8, Condition D.3)]

60. Will you keep receipts of petroleum solvent purchases as well as maintain records of the calculation and result of the yearly petroleum solvents consumption that is determined upon the first day of each month? And will you keep all such records and receipts on-site and available upon request?

This question is used to verify compliance with the 6,800 gallons of petroleum solvents per year limitation. A "Yes" response to this question indicates that the applicant will maintain the required records, and a "No" response indicates that the applicant will not maintain the required records. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" in response to this question. [Section 8, Condition D.3)]

- 61. Will you perform an initial test to verify that the flow rate of recovered solvent from each solvent recovery dryer is no greater than 0.05 liters per minute?
 - This question is a testing requirement of the NSPS for petroleum solvent dry cleaning facilities. A "Yes" response to this question indicates that the applicant will conduct the required test, and a "No" response indicates that the applicant will not conduct the required test. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" in response to this question. [Section 8, Condition E.1)]
 - a) Will you conduct each performance test for two weeks, and monitor no less than 50 percent of the dryer loads for their final recovered flow rate? And will you measure the flow rate of the recovered solvent from the outlet of solvent water separator?
 - This question is a testing requirement of the NSPS for petroleum solvent dry cleaning facilities. A "Yes" response to this question indicates that the applicant will conduct the required test, and a "No" response indicates that the applicant will not conduct the required test. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" in response to this question. [Section 8, Condition E.1)a)]
 - b) As the recovery cycle ends, will you diver the entire flow of recovered solvent into a graduated cylinder, recording the elapsed time interval in periods of no less than one minute as well as the volume of the solvent that has collected in the graduated cylinder over that time period?
 - This question is a testing requirement of the NSPS for petroleum solvent dry cleaning facilities. A "Yes" response to this question indicates that the applicant will conduct the required test, and a "No" response indicates that the applicant will not conduct the required test. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" in response to this question. [Section 8, Condition E.1)b)]
 - c) Will you determine the recovered solvent flow rate by dividing the volume of solvent collected by the period of time in which the volume of solvent was collected? And if necessary, will you then convert the resulting flow rate into units of liters per minute?
 - This question is a testing requirement of the NSPS for petroleum solvent dry cleaning facilities. A "Yes" response to this question indicates that the applicant will conduct the required test, and a "No" response indicates that the applicant will not conduct the required test. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" in response to this question. [Section 8, Condition E.1)c)]
 - *d)* Will you continue monitoring the recovery cycle until the flow rate of the solvent is less than or equal to 0.05 liters per minute?
 - This question is a testing requirement of the NSPS for petroleum solvent dry cleaning facilities. A "Yes" response to this question indicates that the applicant will conduct the required test, and a "No" response indicates that the applicant will not conduct the required test. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" in response to this question. [Section 8, Condition E.1)d)]
- 62. Upon completion of the recovery cycle, will you record the type of articles cleaned as well as the total length of the recovery cycle?
 - This question is a testing requirement of the NSPS for petroleum solvent dry cleaning facilities. A "Yes" response to this question indicates that the applicant will conduct the required test, and a "No" response indicates that the applicant will not conduct the required test. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" in response to this question.

 [Section 8, Condition E.2)]

SECTION B. FUEL BURNING EQUIPMENT

The following questions apply to Fuel Burning Equipment:

1. Will the maximum heat input rating (as listed by the manufacturer) of any single fuel burning piece of equipment be less than 10 million BTU/hr?

This question is used to determine whether or not the applicant is operating boilers at their dry cleaning facilities, and whether or not those boilers have a rated heat input value greater than 10 Million BTU per hour. A "Yes" response indicates that the applicant is using a single fuel burning piece of equipment that is less than 10 Million BTU per hour. A "No" response indicates that the applicant is operating a single piece of fuel burning equipment that is rated at greater than 10 Million BTU per hour, thus triggering NSPS requirements for the boiler and disqualifying the facility for coverage under this General Permit. A "N/A" response indicates that the applicant is not operating any fuel burning equipment at the facility. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" or "N/A" response to this question.

[Section 9, Condition A]

2. Will the maximum combined heat input rating for all fuel burning equipment (excluding internal combustion engines) at the facility be less than 36 million BTU/hr?

This question is used to determine whether or not the applicant is operating too much fuel burning equipment at the facility. If the applicant were to exceed 36 million BTU/hr, the NOx emissions from the boilers could possibly trigger BACT requirements that are too case-by-case to be covered by a General Permit. A "Yes" response to this question indicates that the applicant is using less than 36 million BTU/hr of fuel burning equipment. A "No" response indicates that the applicant is using more than 36 million BTU/hr of fuel burning equipment. A "N/A" response indicates that the applicant is not operating any boilers at the facility. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" or a "N/A" response to this question.

[Section 9, Condition B]

3. Will you only burn natural gas, propane, and butane as fuels in the fuel burning equipment?

This question is used to determine whether or not the applicant is burning a fuel that is not natural gas, propane, and butane in the boilers. A "Yes" response to this question indicates that the applicant is willing to abide by a permit condition allowing the combustion of only natural gas, propane and butane. A "No" response indicates that the applicant is burning a fuel that is not natural gas, propane or butane. A "N/A" response indicates that the applicant is not operating any fuel burning equipment at the facility. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" or a "N/A" response to this question. [Section 9, Condition C]

4. Will you be operating any internal combustion engines at this facility?

This question is used to establish whether or not the applicant has a back-up generator at his facility. A "Yes" response indicates that the applicant does have an emergency back-up generator, and a "No" response indicates that the applicant is not operating an internal combustion engine at the facility.

a) If you are operating an internal combustion engine at this facility, is that engine less than 260 horsepower?

This question is used to establish the size of the internal combustion engine. A "Yes" response indicates that the generator is less than 260 horsepower, and that the engine qualifies for coverage under this General Permit. A "No" response indicates that the generator is greater than 260 horsepower and that the applicant should submit a permit application for an individual permit.

b) If you are operating an internal combustion engine at this facility, will it serve only as an emergency standby generator?

This question is used to establish the applicant's intended usage of the internal combustion engine. A "Yes" response indicates that the internal combustion engine will not operate for more than 500 hours per year, and

that the generator will be used only when there is an emergency need for electricity. A "No" response indicates that the internal combustion engine does not qualify as an emergency back-up generator. In order to qualify for coverage under this General Permit, the applicant must enter a "Yes" response to this question (unless a "No" response was entered for question 4). Should the applicant enter a "No" response to this question, the applicant should submit an application for an Individual permit.